

Type:SDRH10D48A
◆ Product Description

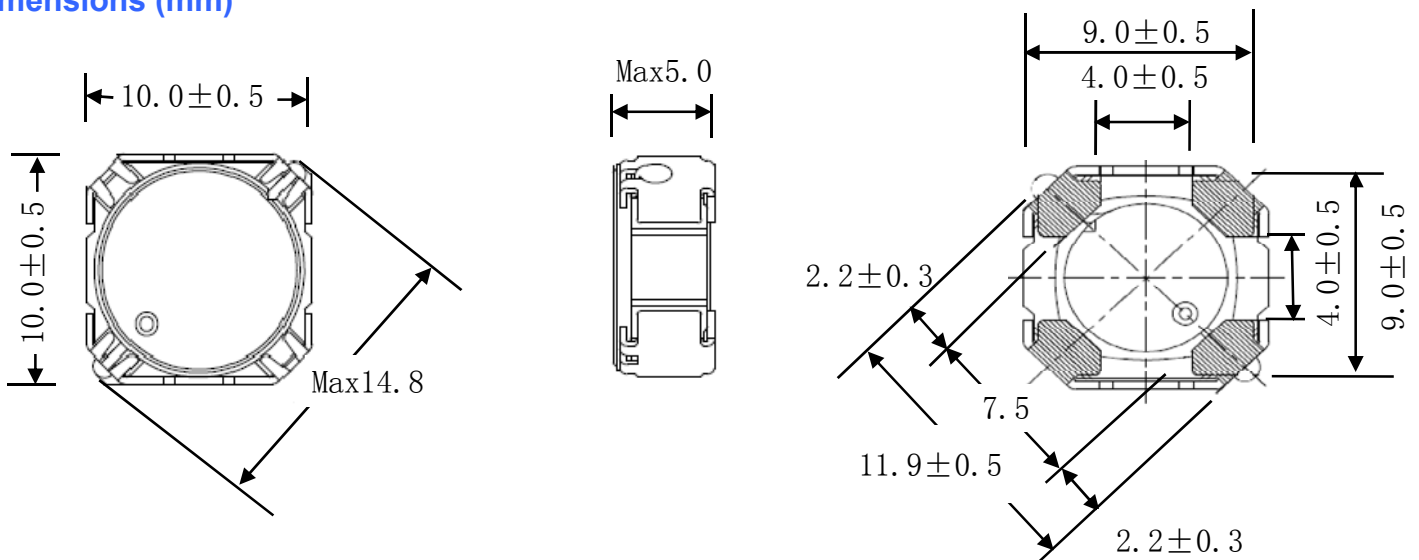
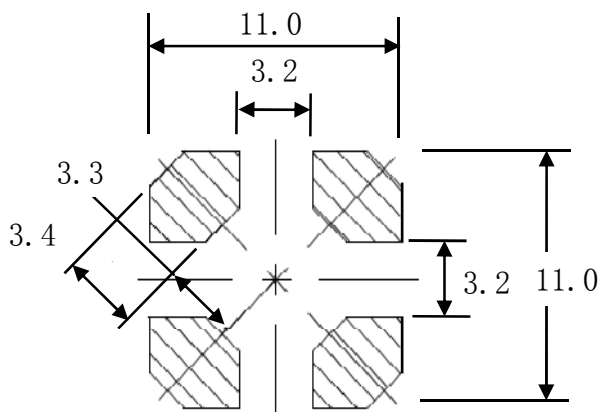
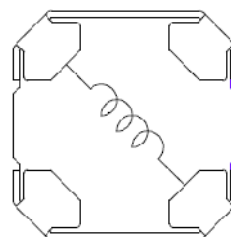
- 10.5×10.5mm Max.(L×W),5.0mm Max. Height.
- Inductance Range: 2.4~330.0μH
- Rated current range: 0.49~5.2A
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.


◆ Feature

- Magnetically shielded construction.
- High reliable inductors,suitable to use in high temperature environment(125 °C)
- Ideally for automotive applications as DC-DC Converter inductors.
- Qualification to AEC-Q200
- RoHS Compliance

◆ Application

- Automotive applications
- DC/DC converters etc.

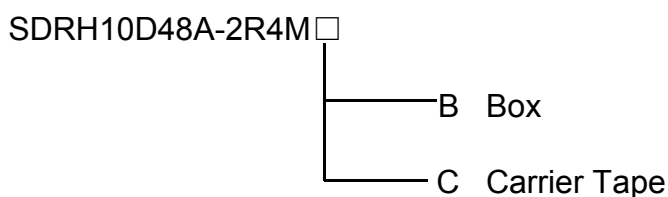
◆ Dimensions (mm)

◆ Land Pattern (mm)

◆ Schematics(Bottom)


Type:SDRH10D48A

◆ Specification

Suntek Part Number	System code	Stamp	Inductance (μH) 100kHz/1V	D.C.R. (mΩ) Max.(Typ.) (at 20 °C)	Rated Current (A) (at 125 °C)
SDRH10D48A-2R4M□		2R4	2.4±20%	12(9)	5.20
SDRH10D48A-3R4M□		3R4	3.4±20%	13(10)	4.80
SDRH10D48A-4R3M□		4R3	4.3±20%	15(12)	4.30
SDRH10D48A-5R8M□		5R8	5.8±20%	24(19)	3.80
SDRH10D48A-7R2M□		7R2	7.2±20%	29(23)	2.90
SDRH10D48A-8R2M□		8R7	8.7±20%	37(29)	2.70
SDRH10D48A-100M□		100	10.0±20%	40(32)	2.60
SDRH10D48A-120M□		120	12.0±20%	44(35)	2.50
SDRH10D48A-150M□		150	15.0±20%	49(39)	2.30
SDRH10D48A-180M□		180	18.0±20%	62(49)	2.20
SDRH10D48A-220M□		220	22.0±20%	70(56)	1.90
SDRH10D48A-270M□		270	27.0±20%	90(72)	1.70
SDRH10D48A-330M□		330	33.0±20%	113(90)	1.50
SDRH10D48A-390M□		390	39.0±20%	127(101)	1.40
SDRH10D48A-470M□		470	47.0±20%	138(110)	1.30
SDRH10D48A-560M□		560	56.0±20%	172(137)	1.20
SDRH10D48A-680M□		680	68.0±20%	209(167)	1.10
SDRH10D48A-820M□		820	82.0±20%	268(214)	0.97
SDRH10D48A-101M□		101	100.0±20%	294(235)	0.92
SDRH10D48A-121M□		121	120.0±20%	374(299)	0.82
SDRH10D48A-151M□		151	150.0±20%	437(349)	0.77
SDRH10D48A-181M□		181	180.0±20%	558(446)	0.65
SDRH10D48A-221M□		221	220.0±20%	637(509)	0.61
SDRH10D48A-271M□		271	270.0±20%	839(671)	0.53
SDRH10D48A-331M□		331	330.0±20%	938(750)	0.49

※ Description of part name



※ 1. Rated Current: The DC current at which the inductance decreases to 65% of its nominal value.
 or when $\Delta t = 30^\circ\text{C}$, whichever is lower ($T_a = 125^\circ\text{C}$).